



Massachusetts 2012 HAI Data Report

Statewide Hospital Summary

Report Release Date: August 2012

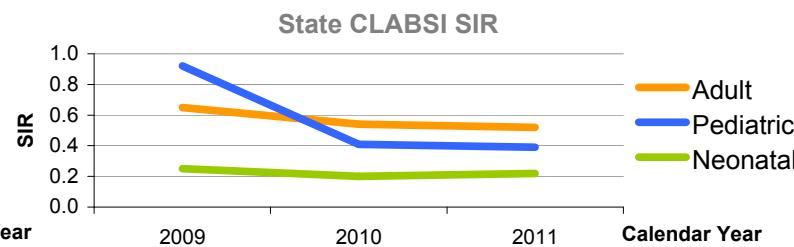
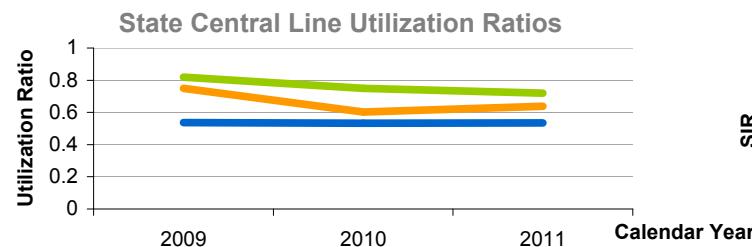
Hospital Survey Statistics 2011

	Small Hospital <100 Beds	Medium Hospital 100-299 beds	Large Hospital 300+ beds
Number of Hospitals	21	39	11
Medical School Affiliation	14%	46%	100%
Average Number of Beds	53	179	554
Average Number of ICU Beds	8	15	96
Average Number of Admissions	4,567	10,079	32,570
Average Number of Patient Days	20,483	41,251	161,231
Beds per Infection Preventionist	51.1	141.8	158.7

Central Line-Associated Blood Stream Infection

CLABSI Rates by ICU Type for Calendar Year 2011, Compared to State Baseline Data from Calendar Years 2009-2010

ICU Type	Number of ICUs	Infections	Line Days	Rate	Predicted Infections	SIR	Confidence Interval	Interpretation
Cardiac	12	14	14,746	0.95	29.49	0.48	(0.26 - 0.79)	Lower
Cardiothoracic	10	24	22,014	1.09	30.82	0.78	(0.49 - 1.15)	Same
Medical	17	38	34,885	1.09	89.60	0.42	(0.30 - 0.58)	Lower
Medical/Surgical	54	53	55,504	0.97	91.23	0.59	(0.45 - 0.77)	Lower
Pediatric	8	20	17,433	1.15	51.97	0.39	(0.23 - 0.59)	Lower
Surgical and Trauma	24	54	43,685	1.24	111.71	0.48	(0.36 - 0.63)	Lower
Neonatal	10	33	16,770	2.94	152.64	0.22	(0.14 - 0.30)	Lower



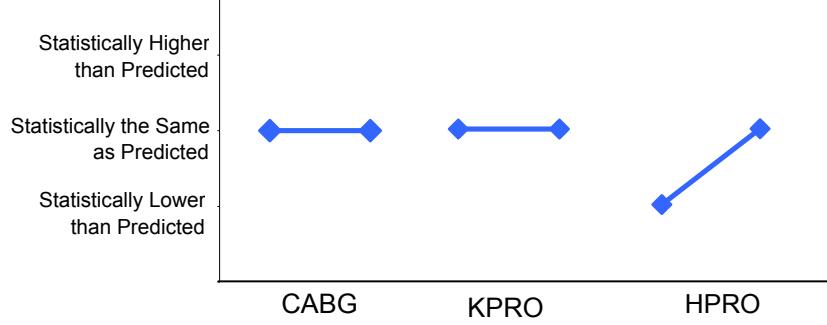
Surgical Site Infection

Hospital SSI SIRs by Procedure Type for All Calendar Years Available

Procedure	Calendar Year	Hospitals Reporting	Infections	Procedures	Predicted Infections	SIR	Confidence Interval	Interpretation
Coronary Artery Bypass	2009	14	45	3,980	49.61	0.91	(0.66 - 1.21)	Same
	2010	14	45	3,774	48.19	0.93	(0.68 - 1.25)	Same
Knee Prosthesis	2009	67	83	12,643	68.97	1.2	(0.95 - 1.49)	Same
	2010	67	69	13,262	71.81	0.96	(0.74 - 1.21)	Same
Hip Prosthesis	2009	67	55	9,399	71.67	0.77	(0.57 - 0.99)	Lower
	2010	67	64	9,805	74.62	0.86	(0.66 - 1.09)	Same
Abdominal Hysterectomy	2009	61	42	5,602	37.57	1.12	(0.80 - 1.51)	Same
	2010	62	43	5,337	37.45	1.15	(0.83 - 1.54)	Same
	2011	58	30	5,021	37.37	0.8	(0.54 - 1.14)	Same
Vaginal Hysterectomy	2009	57	32	2,371	13.68	2.34	(1.6 - 3.30)	Higher
	2010	55	21	2,126	11.96	1.76	(1.08 - 2.68)	Higher
	2011	55	24	2,086	11.43	2.1	(1.34 - 3.12)	Higher

Statistically Significant Variation from Predicted Number of Surgical Site Infections Over Time

2009 - 2010



2009 - 2011

